1646

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RAW SEQUENCE LISTING
PATENT APPLICATION *US/09/060,188*
DATE: 08/08/98
TIME: 15:50:44

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> This Raw Listing contains the General
> Information Section and up to the first 5 pages.

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 1                                    SEQUENCE LISTING
 2
 3    (1)    General Information:                    ENTERED
 4
 5        (i) APPLICANT: Behan, Dominic P.
 6                       Chalmers, Derek T.
 7
 8       (ii) TITLE OF INVENTION: A Method of Identifying Modulators of
 9               Cell Surface Membrane Receptors Useful in the Treatment of
10               Disease
11
12      (iii) NUMBER OF SEQUENCES: 26
13
14       (iv) CORRESPONDENCE ADDRESS:
15            (A) ADDRESSEE: Arena Pharmaceuticals, Inc.
16            (B) STREET: 6166 Nancy Ridge Drive
17            (C) CITY: San Diego
18            (D) STATE: CA
19            (E) COUNTRY: USA
20            (F) ZIP: 92121
21
22        (v) COMPUTER READABLE FORM:
23            (A) MEDIUM TYPE: Floppy disk
24            (B) COMPUTER: IBM PC compatible
25            (C) OPERATING SYSTEM: PC-DOS/MS-DOS
26            (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
27
28       (vi) CURRENT APPLICATION DATA:
29            (A) APPLICATION NUMBER: US
30            (B) FILING DATE: 14-APR-1998
31            (C) CLASSIFICATION:
32
33     (viii) ATTORNEY/AGENT INFORMATION:
34            (A) NAME: Burgoon, Richard P.
35            (B) REGISTRATION NUMBER: 34,787
36
37       (ix) TELECOMMUNICATION INFORMATION:
38            (A) TELEPHONE: 619-453-7200
39            (B) TELEFAX: 619-453-7210
40
41
42    (2) INFORMATION FOR SEQ ID NO:1:
43
44        (i) SEQUENCE CHARACTERISTICS:
45            (A) LENGTH: 25 amino acids
46            (B) TYPE: amino acid
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```
47              (C) STRANDEDNESS:
48              (D) TOPOLOGY: Not Relevant
49
50      (ii) MOLECULE TYPE: peptide
51
52
53
54
55      (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
56
57      Val Tyr Ala Gly Ile Leu Ser Tyr Arg Val Gly Phe Phe Leu Phe Ile
58      1               5                   10              15
59
60      Leu Val Val Ala Ala Val Thr Leu Cys
61                  20                  25
62
63  (2) INFORMATION FOR SEQ ID NO:2:
64
65      (i) SEQUENCE CHARACTERISTICS:
66              (A) LENGTH: 7 amino acids
67              (B) TYPE: amino acid
68              (C) STRANDEDNESS:
69              (D) TOPOLOGY: Not Relevant
70
71      (ii) MOLECULE TYPE: peptide
72
73
74
75
76      (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
77
78      Thr Gln Leu Pro Tyr Asp His
79      1               5
80
81  (2) INFORMATION FOR SEQ ID NO:3:
82
83      (i) SEQUENCE CHARACTERISTICS:
84              (A) LENGTH: 9 amino acids
85              (B) TYPE: amino acid
86              (C) STRANDEDNESS:
87              (D) TOPOLOGY: Not Relevant
88
89      (ii) MOLECULE TYPE: peptide
90
91
92
93
94      (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
95
96      Phe Cys Ser Arg Glu Lys Lys Ala Ala
97      1               5
98
99  (2) INFORMATION FOR SEQ ID NO:4:
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100
101        (i) SEQUENCE CHARACTERISTICS:
102            (A) LENGTH: 54 amino acids
103            (B) TYPE: amino acid
104            (C) STRANDEDNESS:
105            (D) TOPOLOGY: Not Relevant
106
107       (ii) MOLECULE TYPE: peptide
108
109
110
111
112       (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
113
114       Arg Val Phe Gln Glu Ala Lys Arg Gln Leu Gln Lys Ile Asp Lys Ser
115       1               5                   10                  15
116
117       Glu Gly Arg Phe His Val Gln Asn Leu Ser Gln Val Glu Gln Asp Gly
118                   20                  25                  30
119
120       Arg Thr Gly His Gly Leu Arg Arg Ser Ser Lys Phe Cys Ser Arg Glu
121               35                  40                  45
122
123       Lys Lys Ala Ala Lys Thr
124           50
125
126   (2) INFORMATION FOR SEQ ID NO:5:
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128        (i) SEQUENCE CHARACTERISTICS:
129            (A) LENGTH: 10 amino acids
130            (B) TYPE: amino acid
131            (C) STRANDEDNESS:
132            (D) TOPOLOGY: Not Relevant
133
134       (ii) MOLECULE TYPE: peptide
135
136
137       (ix) FEATURE:
138            (A) NAME/KEY: Peptide
139            (B) LOCATION: one-of(7)
140            (D) OTHER INFORMATION: /product= "OTHER"
141   /label= Xaa
142   /note= "Xaa is an amino acid other than Ala. Most preferably,
143   Xaa is Glu."
144
145
146       (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
147
148       Ser Arg Glu Lys Lys Ala Xaa Lys Thr Leu
149       1               5                   10
150
151   (2) INFORMATION FOR SEQ ID NO:6:
152
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153        (i)  SEQUENCE CHARACTERISTICS:
154             (A) LENGTH: 72 amino acids
155             (B) TYPE: amino acid
156             (C) STRANDEDNESS:
157             (D) TOPOLOGY: Not Relevant
158
159       (ii)  MOLECULE TYPE: peptide
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161
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163             (A) NAME/KEY: Peptide
164             (B) LOCATION: one-of(69)
165             (D) OTHER INFORMATION: /product= "OTHER"
166   /label= Xaa
167   /note= "Xaa is an amino acid other than Ala. Most preferably,
168   Xaa is Glu."
169
170
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173       Arg Val Tyr Ile Val Ala Lys Arg Thr Thr Lys Asn Leu Glu Ala Gly
174       1               5                   10                  15
175
176       Val Met Lys Glu Met Ser Asn Ser Lys Glu Leu Thr Leu Arg Ile His
177               20                  25                  30
178
179       Ser Lys Asn Phe His Glu Asp Thr Leu Ser Ser Thr Lys Ala Lys Gly
180           35                  40                  45
181
182       His Asn Pro Arg Ser Ser Ile Ala Val Lys Leu Phe Lys Phe Ser Arg
183           50                  55                  60
184
185       Glu Lys Lys Ala Xaa Lys Thr Leu
186       65                  70
187
188  (2) INFORMATION FOR SEQ ID NO:7:
189
190        (i)  SEQUENCE CHARACTERISTICS:
191             (A) LENGTH: 22 amino acids
192             (B) TYPE: amino acid
193             (C) STRANDEDNESS:
194             (D) TOPOLOGY: Not Relevant
195
196       (ii)  MOLECULE TYPE: peptide
197
198
199
200
201       (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:7:
202
203       Cys Leu Asp Gly Leu Thr Thr Cys Gly Val Val Tyr Pro Leu Ser Lys
204       1               5                   10                  15
205
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RAW SEQUENCE LISTING
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206        Asn His Leu Val Val Leu
207                     20
208
209   (2) INFORMATION FOR SEQ ID NO:8:
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211        (i) SEQUENCE CHARACTERISTICS:
212            (A) LENGTH: 29 amino acids
213            (B) TYPE: amino acid
214            (C) STRANDEDNESS:
215            (D) TOPOLOGY: Not Relevant
216
217       (ii) MOLECULE TYPE: peptide
218
219
220
221
222       (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
223
224        Cys Arg Ile Val Cys Arg His Ala Gln Gln Ile Ala Leu Gln Arg His
225        1               5                   10                  15
226
227        Leu Leu Pro Ala Ser His Tyr Val Ala Thr Arg Lys Gly
228                     20                  25
229
230   (2) INFORMATION FOR SEQ ID NO:9:
231
232        (i) SEQUENCE CHARACTERISTICS:
233            (A) LENGTH: 21 amino acids
234            (B) TYPE: amino acid
235            (C) STRANDEDNESS:
236            (D) TOPOLOGY: Not Relevant
237
238       (ii) MOLECULE TYPE: peptide
239
240
241
242
243       (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:
244
245        Tyr Ile Thr Val Arg Asn Pro Gln Tyr Asn Pro Gly Asp Lys Gly Thr
246        1               5                   10                  15
247
248        Lys Ile Ile Lys Arg
249                     20
250
251   (2) INFORMATION FOR SEQ ID NO:10:
252
253        (i) SEQUENCE CHARACTERISTICS:
254            (A) LENGTH: 21 amino acids
255            (B) TYPE: amino acid
256            (C) STRANDEDNESS:
257            (D) TOPOLOGY: Not Relevant
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SEQUENCE VERIFICATION REPORT
PATENT APPLICATION   *US/09/060,188*

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Line	Error	Original Text
29	Wrong application Serial Number	(A) APPLICATION NUMBER: US